

ABSTRACT OF THE DISCLOSURE

The present invention concerns methods and reagents useful in modulating platelet-derived endothelial cell growth factor (ECGF1) and/or platelet-derived endothelial cell growth factor receptor (e.g., ECGF1r) gene expression in a variety of applications, including 5 use in therapeutic, diagnostic, target validation, and genomic discovery applications. Specifically, the invention relates to small nucleic acid molecules, such as short interfering nucleic acid (siNA), short interfering RNA (siRNA), double-stranded RNA (dsRNA), micro-RNA (miRNA), and short hairpin RNA (shRNA) molecules capable of mediating RNA interference (RNAi) against ECGF1 and/or ECGF1r gene expression and/or activity. The 10 small nucleic acid molecules are useful in the diagnosis and treatment of cancer, proliferative diseases, macular degeneration, diabetic retinopathy, and any other disease or condition that responds to modulation of ECGF1 and/or ECGF1r expression or activity.